

Claims

What is claimed is:

1. A wheel-balancing weight for mounting to a wheel with a flange, the weight comprising a weighted body and a clip securely attached thereto, the body defining a recess therein, the clip having a securing portion formed to be securely positioned within the recess defined in the body and a grasping portion for securely grasping the flange, the recess of the body allowing the clip to be axially positioned with respect to such body so that the body is axially shifted toward the mounted-to wheel to achieve a proper fit to the wheel, the securing portion of the clip being secured within the recess by flowing a portion of the body adjacent such clip into contact therewith.

2. The weight of claim 1 wherein the flange extends circumferentially with respect to the wheel and defines a circumferentially extending pocket adjacent the wheel within which the body of the weight is to be nestled to achieve proper balancing, and wherein the body extends in a generally arcuate manner to follow the generally circumferentially extending pocket of the wheel when the weight is mounted to such wheel.

3. The weight of claim 1 wherein the body extends in a generally arcuate manner and wherein the recess is generally centered with respect to the arcuate extent of the body.

4. The weight of claim 1 wherein the body has an outboard face for facing away from the mounted-to wheel and an opposing inboard face for facing toward the mounted-to wheel, the body defining the recess to extend along the inboard face.

5. The weight of claim 4 wherein the securing portion of the clip includes a generally planar radial portion positioned within the recess generally parallel to the inboard face.

6. The weight of claim 4 wherein the body further has an inner radial face for facing toward an axis of the mounted-to wheel and an opposing outer radial face for facing away from the axis of the mounted-to wheel, the body further defining the recess to transition from the inboard face and along the outer radial face.

7. The weight of claim 6 wherein the securing portion of the clip includes a generally planar radial portion positioned within the recess generally parallel to the inboard face, and a generally planar axial portion positioned within the recess generally parallel to the outer radial face.

8. The weight of claim 1 wherein the grasping portion of the clip co-acts with at least a portion of the securing portion to perform such grasping function, the grasping portion following along with but separate from

such at least a portion of the securing portion such that the flange is fitted into a compartment defined therebetween and securely grasped therebetween.

9. The weight of claim 1 wherein the clip is secured within the recess by crimping a portion of the body adjacent such clip into contact therewith.

10. The weight of claim 1 wherein the body in defining the recess includes a pair of opposing lateral sides that in fact demarcate the recess and define a width of such recess, and wherein the securing portion of the clip has a pair of opposing lateral edges that in fact define a width of such securing portion, each lateral edge of the securing portion of the clip corresponding to a lateral side of the recess of the body, wherein the width of the securing portion of the clip is substantially the width of the recess of the body, and wherein with the securing portion of such clip positioned within such recess, each lateral edge of the securing portion of the clip is in a substantially abutting position with respect to the corresponding lateral side of the body.

11. The weight of claim 10 wherein the securing portion of the clip is secured within the recess by flowing each lateral side of the body into the corresponding lateral edge of the securing portion of the clip, whereby the clip is prevented from at least circumferential and axial movement with respect to the mounted-to wheel.

12. The weight of claim 11 wherein each lateral edge of the securing portion of the clip defines lateral serrations therein, the lateral serrations interacting with the flowed lateral sides of the body to prevent the clip from radial movement with respect to the mounted-to wheel 12.

13. A vehicle having a wheel with a flange and a wheel-balancing weight mounted to the flange, the weight comprising a weighted body and a clip securely attached thereto, the body defining a recess therein, the clip having a securing portion formed to be securely positioned within the recess defined in the body and a grasping portion for securely grasping the flange, the recess of the body allowing the clip to be axially positioned with respect to such body so that the body is axially shifted toward the wheel to achieve a proper fit thereto, the securing portion of the clip being secured within the recess by flowing a portion of the body adjacent such clip into contact therewith.

14. The vehicle of claim 13 wherein the body extends in a generally arcuate manner and wherein the recess is generally centered with respect to the arcuate extent of the body.

15. The vehicle of claim 13 wherein the body has an outboard face facing away from the wheel and an opposing inboard face facing toward the wheel, the body defining the recess to extend along the inboard face.

16. The vehicle of claim 15 wherein the securing portion of the clip includes a generally planar radial portion positioned within the recess generally parallel to the inboard face.

17. The vehicle of claim 15 wherein the body further has an inner radial face facing toward an axis of the wheel and an opposing outer radial face facing away from the axis of the wheel, the body further defining the recess to transition from the inboard face and along the outer radial face.

18. The vehicle of claim 17 wherein the securing portion of the clip includes a generally planar radial portion positioned within the recess generally parallel to the inboard face, and a generally planar axial portion positioned within the recess generally parallel to the outer radial face.

19. The vehicle of claim 13 wherein the clip is secured within the recess by crimping a portion of the body adjacent such clip into contact therewith.

20. The vehicle of claim 13 wherein the body in defining the recess includes a pair of opposing lateral sides that in fact demarcate the recess and define a width of such recess, and wherein the securing portion of the clip has a pair of opposing lateral edges that in fact define a width of such securing portion, each lateral edge of the securing portion of the clip corresponding to a lateral side of the recess of the body, wherein the width of the securing portion of the clip is substantially the width of the recess of the

body, and wherein with the securing portion of such clip positioned within such recess, each lateral edge of the securing portion of the clip is in a substantially abutting position with respect to the corresponding lateral side of the body.

21. The weight of claim 20 wherein the securing portion of the clip is secured within the recess by flowing each lateral side of the body into the corresponding lateral edge of the securing portion of the clip, whereby the clip is prevented from at least circumferential and axial movement with respect to the wheel.

22. The weight of claim 21 wherein each lateral edge of the securing portion of the clip defines lateral serrations therein, the lateral serrations interacting with the flowed lateral sides of the body to prevent the clip from radial movement with respect to the mounted-to wheel.